

Serial No.: 10/091,740

Art Unit: 2132

*AMENDMENTS TO THE CLAIMS*

1. (Currently Amended) A method of transmitting data across a firewall, the method comprising:
  - receiving a request to transmit data to a destination at a remote network;
  - searching for a firewall associated with the destination at the remote network, the firewall being configured to prohibit communication to the destination via a primary communication protocol and allow communication to the destination via a secondary communication protocol;
  - if the firewall is detected, automatically configuring the data for communication with the secondary communication protocol; and
  - transmitting the data to the destination by utilizing the secondary communication protocol, wherein the request to transmit the data to the destination comprises a primary address of the destination related to the primary communication protocol and a secondary address of the destination related to the secondary communication protocol.
2. (Original) The method of claim 1, further comprising:
  - transmitting the data to the destination by utilizing the primary communication protocol if the firewall is not detected.
3. (Canceled)
4. (Previously Presented) The method of claim 1, wherein the destination is a printer and a print job comprises the data that is requested to be transmitted.
5. (Previously Presented) The method of claim 1, wherein searching for the firewall comprises pinging the primary address of the destination.

Serial No.: 10/091,740

Art Unit: 2132

6. (Previously Presented) The method of claim 2, wherein searching for the firewall comprises:

- scanning the destination to find an open port, the open port being related to the primary communication protocol; and
- detecting the firewall, if present, upon not finding the open port.

7. (Original) The method of claim 2, wherein searching for the firewall comprises:

- attempting to transmit the data via the primary communication protocol, such that a failure to successfully transmit the data via the primary communication protocol would signify the firewall is present.

8. (Original) The method of claim 2, wherein the primary communication protocol is any one or combination of the following: the Hyper-Text Transfer Protocol (HTTP), the Transfer Control Protocol (TCP), the Internet Protocol (IP), the File Transfer Protocol (FTP), and the User Datagram Protocol (UDP).

9. (Previously Presented) The method of claim 1, wherein the secondary communication protocol is an electronic mail (email) protocol and the secondary address is an email address; and further wherein automatically configuring the data for communication comprises:

- generating an email;
- addressing the email to the secondary address; and
- populating the email with pertinent information that correlates to the data.

10. (Original) The method of claim 9, wherein automatically configuring the data for communication further comprises: placing the data in the email.

11. (Original) The method of claim 9, wherein automatically configuring the data for communication further comprises: attaching the data to the email, the data being stored in a file.

Serial No.: 10/091,740  
Art Unit: 2132

12. (Currently Amended) The method of claim 9, wherein the information that is populated in the email comprises a reference to a remote location where the data is stored and is accessible from the destination.

13. (Previously Presented) The method of claim 1, wherein the secondary communication protocol is the File Transfer Protocol (FTP) and the secondary address is an FTP address.

14. (Currently Amended) A system for rerouting the transmission of data to avoid a firewall, the system comprising:  
a transmission device configured to search for a firewall protecting a destination at a remote network, the firewall at the remote network being configured to prohibit communication to the destination via a primary communication protocol and allow communication to the destination via a secondary communication protocol, the transmission device is further configured to, upon detection of the firewall, automatically configure the data for communication over the secondary communication protocol and transmit the data by utilizing the secondary communication protocol, wherein the transmission device is further configured to receive a request to transmit the data to the destination and the request comprises at least the following:

a primary address and a secondary address of the destination, the primary address being related to the primary communication protocol and the secondary address being related to the secondary communication protocol and wherein the transmission device is further configured to, upon not detecting the firewall, transmit the data to the destination by utilizing the primary communication protocol.

15-16. (Canceled)

17. (Previously Presented) The system of claim 14, wherein the transmission device is further configured to search for the firewall by scanning the destination to find an open port, the open port being related to the primary communication protocol, upon not finding the open port, the firewall is detected.

Serial No.: 10/091,740  
Art Unit: 2132

18. (Previously Presented) The system of claim 14, wherein the transmission device is further configured to search for the firewall by pinging the primary address of the destination.

19. (Previously Presented) The system of claim 14, wherein the transmission device is further configured to search for the firewall by attempting to transmit the data via the primary communication protocol, such that a failure to successfully transmit the data via the primary communication protocol would signify the firewall is present.

20. (Previously Presented) The system of claim 14, wherein the secondary communication protocol is an electronic mail (email) protocol.

21. (Original) The system of claim 20, wherein the secondary address is an email address and wherein the transmission device is further configured to automatically configure communication by: generating an email; addressing the email to the secondary address; and populating the email with pertinent information that correlates to the data.

22. (Original) The system of claim 21, wherein the transmission device is further configured to automatically configure the data for communication by placing the data in the email.

23. (Original) The system of claim 21, wherein the transmission device is further configured to automatically configure the data for communication by attaching the data to the email, the data being stored in a file.

24. (Currently Amended) The system of claim 21, wherein the information that is populated in the email comprises a reference to a remote location where the data is stored and is accessible from the destination.

Serial No.: 10/091,740  
Art Unit: 2132

25. (Previously Presented) The system of claim 14, wherein the secondary communication protocol is the File Transfer Protocol (FTP) and wherein the secondary address is an FTP address.

26. (Previously Presented) The system of claim 14, wherein the primary communication protocol is any one or combination of the following: the Hyper-Text Transfer Protocol (HTTP), the Transfer Control Protocol (TCP), the Internet Protocol (IP), the File Transfer Protocol (FTP), and the User Datagram Protocol (UDP).

27. (Previously Presented) The system of claim 14, further comprising: a recipient device configured to be the destination, the recipient device further configured to communicate with the primary and secondary communication protocol.

28. (Original) The system of claim 27, wherein the recipient device is a printer and a print job comprises the data.

29. (Currently Amended) A transmission device configured to transmit data to a destination, the transmission device comprising:

means for transmitting the data to the destination at a remote network by utilizing a secondary communication protocol;

means for searching for a firewall at the remote network, the firewall being configured to prohibit communication to the destination by a primary communication protocol and allow communication to the destination via the secondary communication protocol;

means for automatically configuring the data for communication for the secondary communication protocol upon detecting the firewall; and

means for receiving a request to transmit the data to the destination, wherein the request comprises at least the following:

a primary address and a secondary address of the destination, the primary address being related to the primary communication protocol and the secondary address being related to the secondary communication protocol.

Serial No.: 10/091,740  
Art Unit: 2132

30. (Original) The device of claim 29, further comprising means for transmitting the data by utilizing the primary communication protocol, wherein upon not detecting the firewall, the data is transmitted by utilizing the primary communication protocol.

31-32. (Canceled)

33. (Previously Presented) The device of claim 30, wherein the secondary communication protocol is an electronic mail (email) protocol.

34. (Previously Presented) The device of claim 30, wherein the secondary address is an email address and wherein the means for automatically configuring the data for communication for the secondary communication protocol comprises:

- means for generating an email;
- means for addressing the email to the secondary address;
- means for populating the email with pertinent information that correlates to the data; and
- means for populating the email with the data.

35. (Currently Amended) A data transmission program stored on a computer-readable medium, the transmission program comprising:

- logic configured to facilitate the transmission of data to a remote network by utilizing a secondary communication protocol;

- logic configured to search for a firewall at the remote network, wherein the firewall is configured to prohibit communication to a recipient device at the remote network via a primary communication protocol and allow communication via the secondary communication protocol; and

- logic configured to automatically configure communication for the secondary communication protocol upon detecting the firewall; and

- logic configured to receive a request to transmit the data to the recipient device, the request comprising of at least the following: a primary address and a secondary address of the recipient device, the primary address being related to the

Serial No.: 10/091,740

Art Unit: 2132

primary communication protocol and the secondary address being related to the secondary communication protocol.

36. (Canceled)

37. (Previously Presented) The program of claim 35, further comprising logic configured to facilitate the transmission of the data by utilizing the primary communication protocol, wherein upon not detecting the firewall, the data is transmitted by utilizing the primary communication protocol.

38. (Canceled)

39. (Previously Presented) The program of claim 35, wherein the secondary address is an electronic mail (email) address and the secondary communication protocol is an email protocol; and wherein the logic configured to automatically configure the data for communication for the secondary communication protocol comprises:

- logic configured to generate an email;
- logic configured to address the email to the secondary address;
- logic configured to populate the email with pertinent information that correlates to the data; and
- logic configured to populate the email with the data.

40. (Previously Presented) The program of claim 35, wherein the secondary communication protocol is the File Transfer Protocol (FTP) and the secondary address is an FTP address.

41. (Previously Presented) The program of claim 35, wherein the primary communication protocol is any one or combination of the following: the Hyper-Text Transfer Protocol (HTTP), the Transfer Control Protocol (TCP), the Internet Protocol (IP), the File Transfer Protocol (FTP), and the User Datagram Protocol (UDP).

**This Page is Inserted by IFW Indexing and Scanning Operations and is not part of the Official Record.**

## **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☒ **BLACK BORDERS**
- ☐ **IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- ☐ **FADED TEXT OR DRAWING**
- ☐ **BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- ☐ **SKEWED/SLANTED IMAGES**
- ☐ **COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- ☐ **GRAY SCALE DOCUMENTS**
- ☐ **LINES OR MARKS ON ORIGINAL DOCUMENT**
- ☐ **REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- ☐ **OTHER:** \_\_\_\_\_

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.**